TTY Compatibility Page 1 of 2

## Accessibility

## **TTY Compatibility**

A portable TTY with a 2.5 mm audio jack connection will directly connect to a wireless phone that accepts a 2.5 mm plug-in. TTY's that have this type of connection are available through specific TTY vendors. Please find a list of vendors below.

#### Wireless phone-compatible TTY vendors:

<u>Ultratec Inc.</u>

Clarity

Krown Manufacturing

Verizon Wireless' digital network supports the use of digital wireless phones and TTY devices. Please note that not all digital wireless phones are TTY-compatible. Please check the individual phone detail available on our Products site to verify if the phone you are interested in is TTY-compatible.

## Text Telephone (TTY) Information and Telecommunications Relay Services (TRS)

- TTY The Basics
- · Using a wireless phone with a TTY device.
- Using a wireless phone with a standard TTY device using a RJ-11 compatible intelligent interface.
- · TTY Etiquette
- · How to use Telecommunications Relay Service (TRS)
- TRS Directory

#### 711 Speed dial for TRS (Telecommunications Relay Service)

You can use a speed dial to contact a TRS operator from your cellular phone by dialing 711. You will be connected to a TRS operator who will assist you with your call. The TRS operator will be in the state that you are calling from. Long distance charges may appear on your Verizon Wireless bill for connecting to the TRS center by dialing 711, depending on how the state TRS center is set up. Your Verizon Wireless bill will reflect 711 as the number called, and "TRS call" appearing next to it as well as all appropriate air time charges.

TTY Compatibility Page 2 of 2

# Accessibility Hearing Aid Compatibility

## Accessibility

#### Hearing Aid Compatibility with Wireless Handset Devices

In general, a hearing aid operates by using a microphone to pick up sound waves in the air and convert the sound waves to electrical signals. The signals are then amplified as needed and converted back to audible sounds for the user to hear. The hearing aid's microphone, however, does not always work well in conjunction with audio devices like headsets and telephone handsets. The acoustic connection made between the audio device and the hearing aid is poor and creates distortions in the sound. In addition, the surrounding noise in the area of the user is often picked up by the hearing aid and interferes with the desired audio.

## Handsets Meeting ANSI Standard

#### Microphone Standard

As of February 15, 2010 Verizon Wireless has included in it's line up of wireless handsets at least 10, or 50%, of it's handsets that meet or exceed the ANSI (American National Standards Institute) hearing aid compatibility standard. Handsets that receive a hearing aid compatibility rating of M3 or M4 have met or surpassed the ANSI hearing aid compatibility standard as adopted by the Federal Communications Commission.

- · M3-rating indicates the handset has satisfied the ANSI standard
- M4-rating indicates the handset has exceeded the ANSI standard

The higher the M-rating the handset has the lower the Radio Frequency emissions level and higher signal quality the handset will have. If there is no M-rating then the handset does not meet the ANSI standard. The handset's M-rating along with a hearing aid's M-rating will assist customers in finding a handset that will work best for them. The hearing aid must be in microphone mode in order to replicate the mode that was used with the handset when the rating was achieved.

Rating information can be found on the handset description card at your local Verizon Wireless store and on the Verizon Wireless online store. The M-rating, and a brief description of what the M-rating means, will be on the outside of the handset box and included with the information inside the box.

## Telecoil Standard:

As of February 15, 2010, Verizon Wireless has included in its line up of handsets, at least 7 or 33% of its handsets that meet the ANSI (American National Standards Institute) Telecoil standard; beginning February 15, 2011 at least 10 handset models. Handsets that receive a telecoil rating of a T3 or T4 have met or surpassed the required standard as adopted by the Federal Communications Commission.

- · T3-rating indicates the handset has satisfied the ANSI standard
- · T4-rating indicates the handset has exceeded the ANSI standard

The telecoil rating is in reference to telecoils in some hearing aids, the telecoil is a small device that is built into some hearing aids for use with the telephone as well as assistive listening devices. Not all hearing aids have telecoils. To use the telecoil, generally, either the hearing aid is switched to the "T" position or a button on the hearing aid is pushed to select the telecoil setting.

The telecoil picks up magnetic fields generated by telephones and converts these fields into sound. Telecoils are particularly useful for telephone communication because they permit the volume control of a hearing aid to be turned up without creating feedback or "whistling," and background noise can be reduced, especially when using cell phones in noisy places.

Starting September 15, 2006, those handsets that are both compliant for the microphone rating and the telecoil ratings will have both ratings on the handset box and its owner manual as well as the rating appearing on the handset description card in the store. If compliant to both standards it will appear as M3/T3 or M4/T4.

#### New Technologies:

Devices with new technologies may not yet be tested for hear aid compatibility. Those devices will be labeled with the following information:

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider about its return and exchange policies and for information on hearing aid compatibility.

#### Some Common Questions:

# 1) Will handsets that are labeled "hearing aid compatible" have any interference that may cause static buzzing sounds?

It depends on the level of immunity in the hearing aids and the level of reduced emissions from the digital wireless handset. The interference comes from both magnetic and RF (radio frequency) pulses generated by digital wireless handset. There is no guarantee that handset labeled "hearing aid compatible" will definitely work for you, but they should improve usability for hearing aide users.

## 2) How will I know if a handset is HAC (hearing aid compatible) compliant?

If the device meets M or T standards of a 3 or higher rating, the M or T, or both, will appear on the phone description card in the Verizon Wireless store or on the feature description list on Verizon Wireless.com for all applicable devices.

## 3) How do I know if my hearing aid works with a handset?

Ask your hearing aid healthcare professional the following questions about your specific hearing aid

- · Does your hearing aid have "cell phone shielding"?
- · What is the "M" (microphone) rating of your hearing aid?
- · Is the circuitry design of your hearing aid more immune to interference?

This information, along with the M-rating of the handset, will be useful to you.

#### 4) May I try the handset before I buy it?

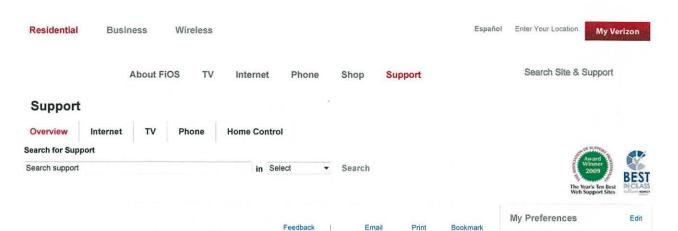
Yes. It is best to try several handsets before you buy one, to find the best match with your hearing aid. All <u>Verizon Wireless stores</u> have M-rated handsets available for you to try in the store. You will be able to place a call to our customer service department so you can determine if you can hear well on that model handset.

## 5) Will a non-rated handset work with hearing aids?

A non-rated handset may work with hearing aids. A lack of a rating does not mean a device will not work with a hearing aid. You are encouraged to test all handsets in the stores prior to buying. Please remember that everyone's hearing loss is different and what works for one person may not work for another.

## 6) is a HAC-compliant phone more expensive than a phone without a rating?

No, there is no additional cost for a handset device to be HAC-compliant.



Print

Bookmark

#### **Customers With Disabilities**

Verizon is committed to providing the greatest range of communication capabilities to all of our customers. Our mission is to provide the highest quality of service and sensitivity to our customers with disabilities by empowering them with accessible telecommunications products and services.

#### Telecommunications Relay Services

For all states access number 711 is available

#### TRS - Telecommunications Relay Service

This service links persons using a standard voice telephone with persons using a text telephone (TTY). It enables telephone conversations between people with and without hearing or speech disabilities

#### STS - Speech to Speech

Speech-to-Speech is a new kind of TRS that allows persons with severe speech disability to speak on the telephone, to be heard by the person being called and, with the assistance of a trained communications assistant relaying the conversation, to be understood.

#### Alternate Bill Formats

Large print and Braille bills are available upon request. Please contact your local Customer Service Center.

#### **Calling Features**

Verizon offers a variety of Phone service calling features to help you control and manage calls. From identifying callers before you answer a call to allowing for quick and easy storage and retrieval of phone numbers, calling feature help you stay connected. See all Calling Features

#### **Customers with Disabilities Contact Information**

For questions related to Verizon's products and service for customers with disabilities please contact the

East: Conn, DE, DC, MA, MD, ME, NH, NJ, NY, RI, VA, VT, WV

Telephone Numbers	Hours of Operation	Email Address	Mailing Address
800-974-6006 (Voice and TTY) 508-624-7645 (Fax)	Monday - Friday 8:30 am - 5:00 pm	VCCD@Verizon.com	VCCD P.O.Box 848 Mariboro MA 01752

## West: CA, FL, TX

Telephone Numbers	Hours of Operation	Email Address
800-974-6006 (Voice and TTY) 805-278-9103(Fax)	Monday - Friday 8:30 am - 5:00 pm	VCCDWest@Verizon.com

## Resources:

ip-relay.com

National Family Caregivers Association

Universal Design Principles

Blindskills

Telecommunication Equipment Distribution Program

Contact Us



Exchange experiences, tips, information and techniques related to Verizon products and services.









Relay Service Page 1 of 2

## Accessibility

## **Relay Service**

## Video Relay

The Verizon Wireless network can accommodate people who are deaf, hard of hearing or speech disabled that want to place or receive a call using Video Relay Service (VRS).

There are a number of Verizon Wireless products that can support VRS – all on America's most reliable 3G networks:

- 1. A PC card, while using it on a laptop with a webcam
- 2. An Android™device that has a front facing camera
- 3. An iPhone 4 on Verizon Wireless
- 4. A tablet with a front facing camera
- 5. An iPad 2 with a front facing camera

Use of VRS requires a compatible application and data usage, which will be billing according to your data plan or package.

#### **Using Text Relay**

The Verizon Wireless network can accommodate people who are deaf, have hearing loss or who are speech disabled and want to place or receive a call using a text relay service while on their text capable Verizon Wireless device.

All you need is a compatible application - available for Android™, iPhones and Blackberry® devices.

Relay Service Page 2 of 2